

## PATENT ABSTRACTS OF JAPAN

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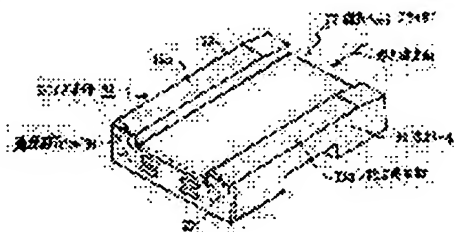
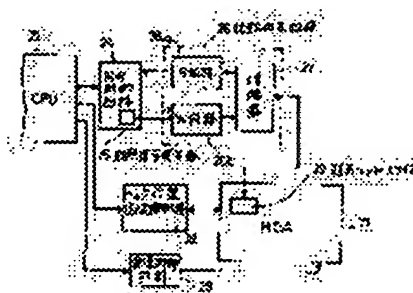
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## (54) MAGNETIC DISK DEVICE

## (57)Abstract:

PURPOSE: To easily remove a lubricant stuck to the magnetic pole exposed to the levitating face of a magnetic head slider by supplying power to the recording and reproducing coil of a magnetic head on the slider at the time of the contact start operation.

CONSTITUTION: When a rotation command is issued from a CPU 23 to a stopped magnetic disk rotating mechanism of a head disk assembly HDA 21, a heating signal generator 25 of an RW control circuit 24 is driven, and a heating signal is supplied as the heating DC current to the recording and reproducing coil of a magnetic head 31 through a W circuit 26b of the RW circuit 26 and an amplifier 27 to heat the magnetic pole of the head at 50 to 70°C. The viscosity of the lubricant is reduced, and a slider 32 is smoothly levitated by the increase of the rotative speed of the disk. After levitation is stabilized, the CPU 23 stops the supply of the heating current. The slider 22 is seeked to perform R/W. By this constitution, the lubricant, dust, powder due to wear, etc., on the head slider are easily removed to prevent head crush, and the levitation operation is stabilized to perform normal R/W.



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